

507,198

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



Rec'd PCT/PTO

09 SEP 2004



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/077544 A1

(51) International Patent Classification⁷: **H04N 5/74, 9/31**

(74) Agent: **VAN DEN HOOVEN, Jan**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(21) International Application Number: **PCT/IB03/00383**

(22) International Filing Date: 5 February 2003 (05.02.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02076034.4 14 March 2002 (14.03.2002) EP

(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

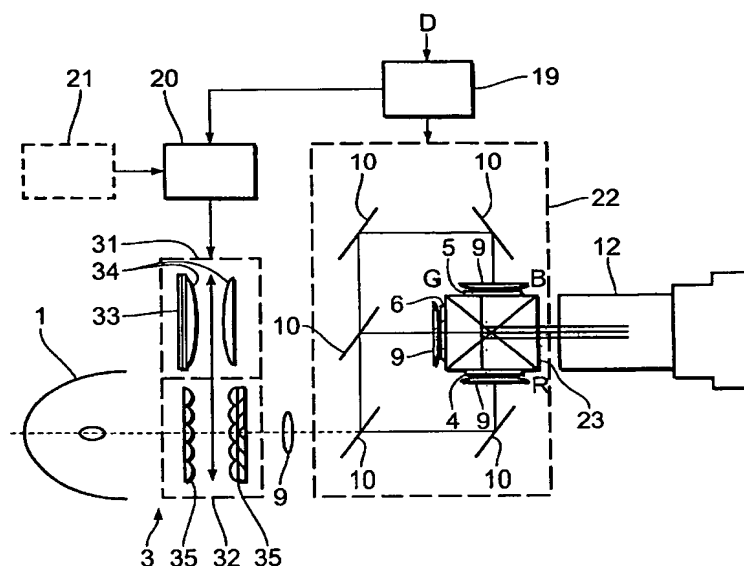
(75) Inventor/Applicant (*for US only*): **DE VAAN, Adrianus, J., S., M.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

Published:

— with international search report

[Continued on next page]

(54) Title: **PROJECTION DEVICE HAVING A MODE SELECTION UNIT**



(57) Abstract: The invention relates to a projection device for projecting an image comprising a light source (1), electro-optical light modulation means (22) and image projection means (12) for projecting the image. In order to provide a projection device that can be used and is optimized for different modes, such as for video applications and business applications, the projection device according to the present invention further comprises a switchable module (3) comprising at least a first submodule (31), and a mode selection unit (20) for controlling said module (3) such that said first submodule (31) is either active or not active in the light path from said light source (1) to said image projection means (12), said first submodule (31) being adapted to improve the center brightness and white point of the light.



WO 03/077544 A1